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10/669,787	09/24/2003	John E. Jones	47171-00381USPT	6413

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EXAMINER
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VEZERIS, JAMES A

ART UNIT	PAPER NUMBER
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4172

MAIL DATE	DELIVERY MODE
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10/24/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/669,787

Applicant(s)

JONES ET AL.

Examiner

James A. Vezeris

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 25 September 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-42 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 8/29/2005, 10/17/2005.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

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### **Detailed Action**

#### **Claim Rejections- 35 U.S.C. 102(e)**

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3, 6, 9, 12-14, 23, 26-27, 32, and 36-37 are rejected under 35 U.S.C.

102(e) as being unpatentable over United States Patent 6,550,671 to Brown et al.

(Hereinafter "Brown")

#### **Regarding claim 1:**

Brown teaches a method of accepting deposits of currency bills into a document processing device for crediting to a specified account, comprising:

depositing a plurality of documents into an input receptacle of the document processing device, wherein the plurality of documents include at least one currency bill bearing a printed image that includes a serial number; (See Brown Fig 1A, Column 8 lines 20-32)

scanning the image of at least the serial number on each currency bill to produce electronic data; (See Brown Column 8 lines 20-32)

extracting the serial number of each currency bill from the electronic data; (See Brown Column 8 lines 20-32)

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denominating each currency bill; (See Brown Column 8 lines 20-32)

accumulating the total value of the currency bills included in each deposit; (See Brown Column 8 lines 20-32)

and generating a report whenever the accumulated total value exceeds a prescribed value, the report comprising at least an identification of the specified account, the accumulated total value, and the serial number for each currency bill included in the deposit. (See Brown Fig 4, Column 9 lines 23-45)

**Regarding Claim 2:**

Brown further teaches:

counting a number of currency bills of each denomination included in the deposit; (See Brown Fig 4, Column 9 lines 23-45)

wherein generating the report includes generating the report to further comprise the number of currency bills of each denomination included in the deposit. (See Brown Fig 4, Column 9 lines 23-45)

**Regarding Claim 3:**

Brown further teaches generating the report further comprises generating the report to include an identification of a location of the document processing device into which the deposit was made, and an identification of a teller or customer responsible for the deposit. (See Brown Column 11 lines 21-25)

**Regarding Claim 6:**

Brown further teaches:

reading the identification of the specified account from a card supplied by a

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depositor; (See Brown column 11 lines 3-10)

storing the specified account identification along with the scanned images relating to the corresponding deposit. (See Brown column 11 lines 21-25)

Examiner notes that the scanned image is the barcode or account number taken from the image.

**Regarding Claim 9:**

Brown further teaches:

detecting a suspect counterfeit currency bill included in the deposit; (See Brown column 11 lines 5-16)

generating a signal indicating the detection of a suspect counterfeit bill; (See Brown column 11 lines 5-16)

retaining electronic data representing at least a portion of an image on the detected suspect counterfeit bill in association with the identification of the specified account. (See Brown column 11 lines 5-16)

**Regarding Claim 12:**

Brown teaches a system for accepting deposits of currency bills into a document processing device for crediting to a specified account, comprising:

an input receptacle adapted to receive a plurality of documents associated with a deposit transaction, and wherein at least one currency bill is included in the plurality of documents; (See Brown column 8 lines 20-28)

at least one output receptacle for receiving the plurality of documents after they have been processed; (See Brown column 7 lines 50-52)

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an image scanner adapted to scan an image of at least a serial number on each currency bill to produce electronic data; (See Brown Column 8 lines 20-32)

a transport mechanism adapted to transport the plurality of documents, one at a time, from the input receptacle past the image scanner to the output receptacle;

a processor adapted to extract the serial number of each currency bill from the electronic data; (See Brown fig 1B, 1C, column 7 lines 26-59)

a denominating device for denominating each currency bill; (See Brown Column 8 lines 20-32)

an accumulating device for accumulating a total value of the currency bills included in each deposit; (See Brown Column 8 lines 20-32)

a generating device for generating a report whenever the accumulated total value exceeds a prescribed value, the report including at least an identification of the specified account, the accumulated total value, and the serial number for each currency bill included in the deposit. (See Brown Fig 4, Column 9 lines 23-45)

**Regarding Claim 13:**

Brown further teaches a counting device for counting the number of bills of each denomination included in the deposit, and wherein the report includes the number of bills of each denomination included in the deposit. (See Brown Fig 4, Column 9 lines 23-45)

**Regarding Claim 14:**

Brown further teaches the report further comprises:

an identification of a location of the document processing device into which the

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deposit was made; (See Brown Column 11 lines 21-25)

an identification of a teller or customer responsible for the deposit. (See Brown Column 11 lines 21-25)

**Regarding Claim 23:**

Brown further teaches a document processor for processing a deposit of currency bills into a specified account at a financial institution, comprising:

an input receptacle adapted to receive documents associated with the deposit transaction, the documents including at least one currency bill; (See Brown column 8 lines 20-28)

at least one output receptacle for receiving the documents after they have been processed; (See Brown Fig 1A, column 7 lines 1-4)

an image scanner adapted to scan an image on at least a portion of each currency bill to produce electronic data; (See Cahill column 16 lines 18-23)

a transport mechanism adapted to transport the documents, one at a time, from the input receptacle past the image scanner to the at least one output receptacle; (See Brown fig 1B, 1C, column 7 lines 26-59)

a denominating device to denominate documents which are currency bills; and a processor programmed to accumulate the total value of the currency bills included in each deposit, ; (See Brown Column 8 lines 20-32)

and to generate a report whenever the accumulated total value exceeds a prescribed value, the report containing at least an identification of the specified account,

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the accumulated total value and the scanned images of the currency bills included in the deposit. (See Brown Fig 4, Column 9 lines 23-45)

**Regarding Claim 26:**

Brown further teaches a memory adapted to store the electronic data from the image scanner so that the scanned images may be retrieved and displayed for review after completion of the deposit; (See Brown Fig 4, Column 9 lines 23-45)

a counting device which counts the number of currency bills of each denomination included in the deposit; and wherein the report includes the number of currency bills of each denomination included in the deposit. (See Brown Fig 4, Column 9 lines 23-45)

**Regarding Claim 27:**

Brown further teaches the report includes an identification of a location of the document processing device into which the deposit was made, and an identification of a teller or customer responsible for the deposit. (See Brown Column 11 lines 21-25)

**Regarding Claim 32:**

Brown further teaches processing a deposit of currency bills into a specified account at a financial institution, comprising:

receiving documents associated with the deposit transaction; scanning an image on at least a portion of each bill to produce electronic data; (See Brown Column 8 lines 20-32)

transporting the documents, one at a time, from the input receptacle past the image scanner to at least one output receptacle; (See Brown column 8 lines 20-28)



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(See Brown Fig 1A, column 7 lines 1-4)

denominating documents which are currency bills; (See Brown Column 8 lines 20-32)

storing the electronic data from the image scanner so that the scanned images may be retrieved and displayed for review after completion of the deposit; (See Brown Fig 4)

accumulating a total value of the currency bills included in each deposit; (See Brown Column 8 lines 20-32)

generating a report whenever the accumulated total value exceeds a prescribed value, the report including at least an identification of the specified account, the accumulated total value and the scanned images of each currency bill included in the deposit. (See Brown Fig 4, Column 9 lines 23-45)

**Regarding Claim 36:**

Brown further teaches counting the number of currency bills of each denomination included in the deposit (See Brown Column 8 lines 20-32)

generating a report which includes the number of currency bills of each denomination included in the deposit. (See Brown Fig 4, Column 9 lines 23-45)

**Regarding Claim 37:**

Brown further teaches generating the report further comprises:

identifying a location of the document processing device into which the deposit was made; (See Brown Column 11 lines 21-25)

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identifying a teller or customer responsible for the deposit. (See Brown Column 11 lines 21-25)

2. Claims 7, 10, and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over United States Patent 6,550,671 to Brown et al. (Hereinafter "Brown") in further view of Official Notice.

**Regarding Claim 7:**

Brown fails to further teach the prescribed value is \$10,000. However Official Notice is taken that it is obvious for one skilled in the art to set a prescribed value in order for an event to happen.

There is motivation to set a limit because a large deposit can be disputed, costing large amounts of money to a company if they do not accurately maintain a record of their dealings.

**Regarding Claim 10:**

Brown fails to further teach transporting the plurality of documents and denominating the plurality of documents occurs at a rate in excess of 800 documents per minute. However, Official Notice is taken that it is obvious for one skilled in the art to process documents as fast as possible.

The motivation to speed up documentation processing is created by the fact that faster processing speeds means faster deposits, thereby creating less of a wait time, which allows for a more economical system.

**Regarding Claim 11:**

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Brown fails to further teach transporting the plurality of documents and denominating the plurality of documents occurs at a rate in excess of 1000 documents per minute. However, Official Notice is taken that it is obvious for one skilled in the art to process documents as fast as possible.

The motivation to speed up documentation processing is created by the fact that faster processing speeds means faster deposits, thereby creating less of a wait time, which allows for a more economical system.

3. Claims 4, 8, 15, 28, 28, and 39 are rejected under 35 U.S.C. 103(a) as being unpatentable over United States Patent 6,550,671 to Brown et al. (Hereinafter "Brown") in further view of United States Patent 5,940,844 to Cahill et al. (Hereinafter "Cahill").

**Regarding Claim 4:**

Brown fails to further teach scanning further comprises scanning a complete image on at least one side of each currency bill so as to produce the electronic data. However, Cahill does. (See Cahill column 16 lines 18-23)

Brown fails to further teach generating the report includes generating the report to include complete images of the currency bills included in the deposit. However Cahill does. (See Cahill Fig. 25)

There is motivation to combine these two inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 8:**

Brown fails to further teach storing the electronic data so that images of the

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documents may be retrieved and displayed for review at a time subsequent to completion of the deposit. However Cahill does. (See Cahill Fig 5 column 15 lines 20-35)

There is motivation to combine these two inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 15:**

Brown fails to further teaches the image scanner is adapted to scan the complete image on at least one side of each of the currency bills to produce electronic data, However, Cahill does. (See Cahill column 16 lines 18-23)

and wherein the report includes the complete images of all the bills included in the deposit. However, Cahill does. (See Cahill Fig. 25)

There is motivation to combine these two inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 28:**

Brown fails to further teach the image scanner is adapted to scan the complete image on at least one side of each of the currency bills to produce electronic data, and the report includes the complete images of all the currency bills included in the deposit. However Cahill does. (See Cahill column 16 lines 18-23, Fig 25)

There is motivation to combine these two inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 38:**

Brown fails to further teach scanning further comprises scanning the complete

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image on at least one side of each currency bill to produce electronic data. However Cahill does. (See Cahill column 16 lines 18-23)

There is motivation to combine these two inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 39:**

Brown fails to further teach generating the report further comprises generating the report-to include the complete image of each currency bill included in the deposit. However Cahill does. (See Cahill column 16 lines 18-23, Fig 25)

There is motivation to combine these two inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

4. Claims 5, 16-22, 24, 25, 29, 30, 31, 33, 34, 35, and 40-42 rejected under 35 U.S.C. 103(a) as being unpatentable over United States Patent 6,550,671 to Brown et al. (Hereinafter "Brown") in further view of United States Patent 5,940,844 to Cahill et al. (Hereinafter "Cahill") in further view of Official Notice.

**Regarding Claim 5:**

Brown and Cahill fail to further teach documents include at least one deposit slip bearing an image, and wherein scanning includes scanning the image on the deposit slip to produce the electronic data. However Cahill does teach scanning checks. (See Cahill column 16 lines 18-23) Official Notice is taken since it is known to those skilled in the art that being able to scan a deposit slip would be no different than scanning a check or US currency.

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There is motivation to combine these three inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 16:**

Brown fails to further teach the plurality of documents includes at least one deposit slip bearing an image, and wherein the scanner is adapted to scan an image of the at least one deposit slip to produce electronic data representing the image, and wherein the report includes the image of the at least one deposit slip. However Cahill does teach scanning a check and producing an image of it in a report. (See Cahill column 16 lines 18-23) Official Notice is taken since it is known to those skilled in the art that being able to scan a deposit slip would be no different than scanning a check or US currency.

There is motivation to combine these three inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 17:**

Brown further teaches a card reader that reads the indication of the specified account from a card supplied by the depositor; (See Brown column 11 lines 3-10)

a memory storing account identification with the image data relating to the corresponding deposit. (See Brown column 11 lines 21-25)

**Regarding Claim 18:**

Brown fails to further teach a memory storing the electronic data such that the images can be retrieved and displayed for review at a time subsequent to completion of the deposit transaction. However, Cahill does. (See Cahill Fig 5 column 15 lines 20-35)

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There is motivation to combine these two inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 19:**

Brown further teaches a suspect counterfeit detector that detects suspect counterfeit currency bills included in the deposit and generates a signal that indicates the detection of a suspect counterfeit bill and causes electronic data representing at least a portion of an image on the detected suspect counterfeit bill to be retained. (See Brown column 11 lines 5-16)

There is motivation to combine these inventions because it allows for safer transactions to be made saving companies money from accepting false currency.

**Regarding Claim 20:**

Brown and Cahill fail to further teach the transport mechanism is adapted to transport documents, and the denominating device is adapted to denominate documents at a rate in excess of 800 documents per minute. However, Official Notice is taken that it is obvious for one skilled in the art to process documents as fast as possible.

The motivation to speed up documentation processing is created by the fact that faster processing speeds means faster deposits, thereby creating less of a wait time, which allows for a more economical system.

**Regarding Claim 21:**

Brown and Cahill fail to further teach the transport mechanism is adapted to transport documents, and the denominating device is adapted to denominate

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documents at a rate in excess of 1000 documents per minute. However, Official Notice is taken that it is obvious for one skilled in the art to process documents as fast as possible.

The motivation to speed up documentation processing is created by the fact that faster processing speeds means faster deposits, thereby creating less of a wait time, which allows for a more economical system.

**Regarding Claim 22:**

Brown and Cahill fail to further teach the prescribed value is \$10,000. However Official Notice is taken that it is obvious for one skilled in the art to set a prescribed value in order for an event to happen.

There is motivation to set a limit because a large deposit can be disputed, costing large amounts of money to a company if they do not accurately maintain a record of their dealings.

**Regarding Claim 24:**

Brown and Cahill fail to further teach the transport mechanism is adapted to transport documents, and the denominating device is adapted to denominate documents at a rate in excess of 800 documents per minute. However, Official Notice is taken that it is obvious for one skilled in the art to process documents as fast as possible.

The motivation to speed up documentation processing is created by the fact that faster processing speeds means faster deposits, thereby creating less of a wait time, which allows for a more economical system.



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**Regarding Claim 25:**

Brown and Cahill fail to further teach the transport mechanism is adapted to transport documents, and the denominating device is adapted to denominate documents at a rate in excess of 1000 documents per minute. However, Official Notice is taken that it is obvious for one skilled in the art to process documents as fast as possible.

The motivation to speed up documentation processing is created by the fact that faster processing speeds means faster deposits, thereby creating less of a wait time, which allows for a more economical system.

**Regarding Claim 29:**

Brown fails to further teach the documents include at least one deposit slip bearing an image, the scanner is adapted to scan an image of the deposit slip to produce electronic data, and the report includes the image of the deposit slip. However Cahill does teach scanning a check and producing an image of it in a report. (See Cahill column 16 lines 18-23) Official Notice is taken since it is known to those skilled in the art that being able to scan a deposit slip would be no different than scanning a check or US currency.

There is motivation to combine these inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 30:**

Brown and Cahill fail to further teach the prescribed value is \$10,000. However

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Official Notice is taken that it is obvious for one skilled in the art to set a prescribed value in order for an event to happen.

There is motivation to set a limit because a large deposit can be disputed, costing large amounts of money to a company if they do not accurately maintain a record of their dealings.

**Regarding Claim 31:**

Brown further teaches the image scanner is adapted to scan a serial number for each currency bill to generate electronic data, and the report includes the serial number for each currency bill. (See Brown Column 8 lines 20-32)

There is motivation to combine these inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 33:**

Brown and Cahill fail to further teach the transport mechanism is adapted to transport documents, and the denominating device is adapted to denominate documents at a rate in excess of 800 documents per minute. However, Official Notice is taken that it is obvious for one skilled in the art to process documents as fast as possible.

The motivation to speed up documentation processing is created by the fact that faster processing speeds means faster deposits, thereby creating less of a wait time, which allows for a more economical system.

**Regarding Claim 34:**

Brown and Cahill fail to further teach the transport mechanism is adapted to

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transport documents, and the denominating device is adapted to denominate documents at a rate in excess of 1000 documents per minute. However, Official Notice is taken that it is obvious for one skilled in the art to process documents as fast as possible.

The motivation to speed up documentation processing is created by the fact that faster processing speeds means faster deposits, thereby creating less of a wait time, which allows for a more economical system.

**Regarding Claim 35:**

Brown and Cahill fail to further teach the prescribed value is \$10,000. However Official Notice is taken that it is obvious for one skilled in the art to set a prescribed value in order for an event to happen.

There is motivation to set a limit because a large deposit can be disputed, costing large amounts of money to a company if they do not accurately maintain a record of their dealings.

**Regarding Claim 40:**

Brown fails to further teach the documents include at least one deposit slip bearing an image, the scanner is adapted to scan an image of the deposit slip to produce electronic data, and the report includes the image of the deposit slip. However Cahill does teach scanning a check and producing an image of it in a report. (See Cahill column 16 lines 18-23) Official Notice is taken since it is known to those skilled in the art that being able to scan a deposit slip would be no different than scanning a check or US currency.

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There is motivation to combine these inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 41:**

Brown Further teaches scanning a serial number for each currency bill to produce electronic data; (See Brown Column 8 lines 20-32)

generating the report to include the serial number. (See Brown Fig 4, Column 9 lines 23-45)

There is motivation to combine these inventions because it allows for further evidence to be provided that a deposit of a certain amount was made.

**Regarding Claim 42:**

Brown and Cahill fail to further teach the prescribed value is \$10,000. However Official Notice is taken that it is obvious for one skilled in the art to set a prescribed value in order for an event to happen.

There is motivation to set a limit because a large deposit can be disputed, costing large amounts of money to a company if they do not accurately maintain a record of their dealings.

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James A. Vezeris whose telephone number is 571-270-1580. The examiner can normally be reached on Monday-alt. Fridays 7:30am-5:00pm.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dixon can be reached on 571-272-6803. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

James Vezeris  
Patent Examiner

October 11, 2007



NAEEM HAQ  
PRIMARY EXAMINER